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Community Health Programs

Manitoba
Health



MATERNAL AND CHILD CARE
VITAL STATISTICS
9TH UPDATE
1983 MANITOBA VITAL STATISTICS

MANITOBA HEALTH
MATERNAL AND CHILD HEALTH DIRECTORATE

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TO RECIPIENTS OF MATERNAL AND CHILD CARE 9TH UPDATE
1983 MANITOBA VITAL STATISTICS

This ninth update of the Maternal and Child Care Report employs 1983 Vital Statistics for Manitoba Regions and Winnipeg Districts and June 1, 1983 Manitoba Health Services Commission figures for regional populations. This year additional tables appear for:

1. MANITOBA POPULATION BY HEALTH AND COMMUNITY SERVICES REGION.
2. FEMALES BETWEEN 15-49 YEARS BY HEALTH AND COMMUNITY SERVICES REGION.

Requests for copies or information of past or current reports should be forwarded to the Maternal and Child Health Directorate.

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GLOSSARY OF TERMS AND DEFINITIONS

A. Symbols

N/A Not Available
r Revised

- Zero Activity
* Refer to Footnote(s)

B. Definitions

1. Age - Completed age in years, months, days, etc.

2. Population

- a) Manitoba - based on Manitoba Health Services Commission (M.H.S.C.) population reports. Regional populations are by region of residence.
- b) Canada - Based on Statistics Canada population data.

3. Births

- a) Live Births - Infants born alive excluding stillbirths.
- b) Stillbirths - Fetal deaths of 20 (or 28) or more weeks gestation.
- c) Total Births - Live births plus stillbirths.

4. Birth Rates

- a) Live Births - Infants born alive, excluding stillbirths, per 1,000 population.
- b) Stillbirths - Fetal deaths of 20 (or 28) or more weeks gestation per 1,000 live births.

5. Deaths

- a) Infant - Infant deaths under 1 year of age, excluding stillbirths.
- b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium.
- c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths.
- d) Newborn - Infant deaths from birth to less than 7 days of age.
- e) Perinatal - Fetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age.

- f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age.

6. Death Rates

- a) Infant - Infant deaths under 1 year of age, excluding stillbirths, per 1,000 live births.
- b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium per 10,000 live births.
- c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.
- d) Newborn - Infant deaths from birth to less than 7 days of age per 1,000 live births.
- e) Perinatal - Fetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births.
- f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age per 1,000 live births.

7. General Fertility Rate - Live births per 1,000 females between ages 15-49.

8. Parity - The number of total births (current birth plus previous births) that a particular mother has had. This includes live births and stillbirths.

9. Region of Residence - Usual residence of mother as recorded on the registration of live birth.

10. Indian Reserve* - A tract of land the legal title to which is vested in the Crown, that has been set apart by the Crown for the use and benefit of an Indian band.

11. Unorganized Territory* - Any territory in Manitoba which is not under the jurisdiction of any legal government that has taxing authority.

* Vital events for these categories are not necessarily complete. The usual residence of the mother may not be accurately documented, e.g. a Winnipeg address may be used by a Status Indian from a reserve at the time of birth notification, if she was 'boarding' with relatives/friends in the city prior to delivery.



I-1A

MANITOBA POPULATION

BY HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u> ⁽²⁾	<u>1979</u> ⁽¹⁾	<u>1980</u> ⁽³⁾	<u>1981</u> ⁽²⁾	<u>1982</u> ⁽²⁾	<u>1983</u> ⁽¹⁾
<u>REGION</u>						
CENTRAL	84,113	88,989	N/A	89,556	89,983	89,409
EASTMAN	60,689	68,198	N/A	68,309	69,118	69,665
INTERLAKE	55,579	58,798	N/A	61,645	61,213	61,462
NORMAN	54,953 ⁽⁴⁾	22,955	N/A	22,304	21,941	21,543
PARKLANDS	48,368	47,933	N/A	45,357	45,128	45,001
THOMPSON	⁽⁴⁾	28,410	N/A	22,644	21,258	20,615
WESTMAN	118,565	121,380	N/A	117,763	117,993	118,105
WINNIPEG	583,016	617,099	N/A	594,146	601,064	603,536
INDIAN RES	34,407	42,876	N/A	45,569	47,039	47,613
UNORGANIZED TERRITORIES	13,692	12,266	N/A	11,210	11,372	11,340
TOTAL	1,053,382	1,098,904	N/A	1,078,513	1,086,109	1,088,289

SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December Preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.
 (4) Norman Region includes Thompson Region up to and including 1976.

I-1B

MANITOBA POPULATION

BY HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

(INDIAN RES. & UNORGANIZED TERRITORY POPULATION
ALLOCATED TO REGION)

<u>YEAR</u>	<u>1974</u> (2)	<u>1979</u> (1)	<u>1981</u> (2)	<u>1981</u> (4)	<u>1982</u> (2)	<u>1983</u> (1)
<u>REGION</u>						
CENTRAL	86,894	92,415	93,191	89,900	93,807	93,292
EASTMAN	68,832	81,971	82,033	76,620	83,379	84,078
INTERLAKE	62,333	66,575	69,374	63,830	69,166	69,490
NORMAN	76,610 (3)	27,096	26,352	24,715	26,248	25,947
PARKLANDS	54,486	54,130	51,341	48,895	51,237	51,096
THOMPSON	(3)	45,298	41,240	33,605	40,070	39,646
WESTMAN	121,211	124,320	120,836	117,865	121,138	121,204
WINNIPEG	583,016	607,099	594,146	570,815	601,064	603,536
TOTAL	1,053,382	1,098,904	1,078,513	1,026,245	1,086,109	1,088,289

SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December Preliminary M.H.S.C. population records.
 (3) Norman Region includes Thompson Region up to and including 1976.
 (4) 1981 Census Canada data, June 1.*

NOTE: In 1980, M.H.S.C. Registration file was audited and no figures were published that year.

* To allow the reader to compare the M.H.S.C. population records with Census Canada, the M.H.S.C. December preliminary and the June Census data are presented for 1981.

WINNIPEG POPULATION

BY SUB-REGIONAL RESIDENCE AREAS 1974, 1979-1983

<u>YEAR</u>	<u>1974</u> ⁽²⁾	<u>1979</u> ⁽¹⁾	<u>1980</u> ⁽³⁾	<u>1981</u> ⁽²⁾	<u>1982</u> ⁽²⁾	<u>1983</u> ⁽¹⁾
<u>WPG. REGION</u>						
FT. GARRY	34,907	40,373	N/A	42,109	42,863	43,271
EAST & NORTH KILDONAN	56,488	63,863	N/A	65,721	66,679	67,283
OLD & WEST KILDONAN	30,937	37,400	N/A	40,728	41,555	42,177
ST. BONIFACE	47,909	46,416	N/A	44,828	44,721	44,044
ST. JAMES- ASSINIBOIA	78,120	82,329	N/A	81,166	81,915	81,861
EAST ST. PAUL	2,912	3,392	N/A	3,184	3,244	3,262
WEST ST. PAUL	2,181	2,111	N/A	2,389	2,394	2,514
ST. VITAL	38,827	44,113	N/A	45,750	46,631	47,945
TRANSCONA	24,750	28,124	N/A	27,856	27,990	28,222
INNER CITY***	265,985	258,948	N/A	240,415	243,072	242,957
TOTAL	583,016	607,099	N/A	594,146	601,064	603,536

SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December Preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.

*** Winnipeg, Inner City, includes Charleswood and Tuxedo.

IV-1A-1

FEMALES BETWEEN 15-49

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u> ⁽³⁾	<u>1979</u> ⁽²⁾	<u>1980</u> ⁽²⁾	<u>1981</u> ⁽¹⁾	<u>1982</u> ⁽¹⁾	<u>1983</u> ⁽¹⁾
<u>REGION</u>						
CENTRAL	18,104	20,443	N/A	20,680	20,820	20,688
EASTMAN	13,448	16,314	N/A	16,545	16,841	17,008
INTERLAKE	12,226	13,662	N/A	14,702	14,633	14,692
NORMAN	13,499 ⁽⁴⁾	5,707	N/A	5,672	5,639	5,535
PARKLANDS	9,915	10,181	N/A	6,628	9,572	9,486
THOMPSON	⁽⁴⁾	7,616	N/A	6,350	6,000	5,825
WESTMAN	25,940	28,027	N/A	27,134	27,293	27,284
WINNIPEG	151,186	162,580	N/A	160,332	162,468	162,959
I.R. & U.T.	9,647	12,308	N/A	13,258	13,971	14,110
TOTAL	254,001	276,838	N/A	274,301	277,237	277,587

- SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December Preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.
 (4) Norman Region includes Thompson Region up to and including 1976.

IV-1A-2

FEMALES BETWEEN 15-49

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983
(INDIAN RES. & UNORGANIZED TERRITORY POPULATION
ALLOCATED TO REGION)

<u>YEAR</u>	<u>1974</u> ⁽³⁾	<u>1979</u> ⁽²⁾	<u>1980</u> ⁽²⁾	<u>1981</u> ⁽¹⁾	<u>1982</u> ⁽¹⁾	<u>1983</u> ⁽¹⁾
<u>REGION</u>						
CENTRAL	18,667	21,196	N/A	21,536	21,737	21,623
EASTMAN	15,068	19,347	N/A	19,705	20,208	20,401
INTERLAKE	13,569	15,438	N/A	16,579	16,619	16,709
NORMAN	17,857 ⁽⁴⁾	6,630	N/A	6,616	6,669	6,584
PARKLANDS	11,154	11,592	N/A	11,006	11,008	10,897
THOMPSON	⁽⁴⁾	11,307	N/A	10,616	10,432	10,333
WESTMAN	26,500	28,748	N/A	27,911	28,096	28,081
WINNIPEG	151,186	162,580	N/A	160,332	162,468	162,959
TOTAL	254,001	276,838	N/A	274,301 ⁽⁵⁾	277,237	277,587

- SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December Preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.
 (4) Norman Region includes Thompson Region up to and including 1976.
 (5) 1981 Census Canada data figure is 258,055.*

* To allow the reader to compare the December preliminary M.H.S.C. population record with the June Census Canada figure, the total population figure for 1981 is provided in footnote (5).

IV-1B-1

TOTAL BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	1,289	1,471	1,527	1,474	1,549	1,495
EASTMAN	1,026	1,210	1,187	1,156	1,203	1,168
INTERLAKE	930	786	758	729	753	851
NORMAN	1,469 (2)	432	402	414	409	423
PARKLANDS	780	627	630	590	556	529
THOMPSON	(2)	529	497	544	461	462
WESTMAN	1,745	1,690	1,682	1,694	1,692	1,708
WINNIPEG	8,890	8,230	8,076	8,243	8,186	8,595
I.R. & U.T.	1,168	1,283	1,248	1,248	1,303	1,377
MANITOBA TOTAL	17,387	16,258	16,004	16,092	16,112	16,608
NON-RESIDENT	429	444	447	471	524	549
TOTAL	17,816	16,711 (1)	16,451	16,563	16,636	17,157

SOURCE: Manitoba Vital Statistics registrations.

* Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

(1) Includes 9 live births not categorized by region of residence.

(2) Norman Region includes Thompson Region up to and including 1976.

IV-1C-1

LIVE BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	1,279	1,462	1,518	1,463	1,538	1,481
EASTMAN	1,104	1,202	1,181	1,145	1,196	1,165
INTERLAKE	902	776	755	722	749	848
NORMAN	1,460 (2)	425	399	411	406	419
PARKLANDS	772	620	621	586	554	526
THOMPSON	(2)	525	493	539	458	460
WESTMAN	1,726	1,677	1,668	1,679	1,685	1,697
WINNIPEG	8,888	8,154	8,007	8,176	8,133	8,537
I.R. & U.T.	1,151	1,274	1,236	1,231	1,294	1,366
MANITOBA TOTAL	17,210	16,115	15,878	15,952	16,013	16,499
NON-RESIDENT	419	439	435	462	513	537
TOTAL	17,629	16,563 (1)	16,313	16,414	16,526	17,036

SOURCE: Manitoba Vital Statistics registrations.

* Live births are infants born alive, excluding stillbirths.

(1) Includes 9 live births not categorized by region of residence.

(2) Norman Region includes Thompson Region up to and including 1976.

IV-1D-1

GENERAL FERTILITY RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	70.5	71.5	N/A	70.7	73.9	71.6
EASTMAN	75.4	73.7	N/A	69.2	71.0	68.5
INTERLAKE	75.2	56.8	N/A	49.1	51.2	57.7
NORMAN	108.2 ⁽¹⁾	74.5	N/A	72.5	72.0	75.7
PARKLANDS	77.7	60.9	N/A	60.9	57.9	55.5
THOMPSON	(1)	68.9	N/A	84.9	76.3	79.0
WESTMAN	66.5	59.8	N/A	61.9	61.7	62.2
WINNIPEG	58.8	50.2	N/A	51.0	50.1	52.4
I.R. & U.T.	119.3	103.5	N/A	92.8	92.6	96.8
MANITOBA TOTAL	67.8	58.2	N/A	58.2	57.8	59.4
CANADA	60.6	58.2	57.9	56.7	56.3	56.0

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations. Manitoba Health Services population records.

* General fertility rate is defined as live births per 1,000 females between ages 15-49.

(1) Norman Region includes Thompson Region up to and including 1976.

NOTE: Because of the size of Winnipeg's population, the effects of trends in other numerically smaller regions are not likely to influence the summary figure cited for the province.

INFANT DEATHS

IV-2A

INFANT DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	16	18	14	15	13	19
EASTMAN	15	11	8	12	10	14
INTERLAKE	12	14	8	4	4	5
NORMAN	30 (1)	9	4	3	2	6
PARKLANDS	13	7	7	10	5	3
THOMPSON	(1)	10	2	5	3	6
WESTMAN	23	17	19	27	16	17
WINNIPEG	115	91	87	79	72	81
I.R. & U.T.	44	25	26	31	15	22
MANITOBA TOTAL	268	202	175	186	140	173
NON-RESIDENT	24	21	16	13	15	16
TOTAL	292	228 (2)	191	199	155	189

SOURCE: Manitoba Vital Statistics registrations.

* Infant deaths are defined as deaths under 1 year of age, excluding stillbirths.

- (1) Norman Region includes Thompson Region up to and including 1976.
 (2) Includes 5 deaths not categorized by region of residence.

NOTE: Infant deaths were uniformly up for all but one region in 1983. When perinatal losses are adjusted to compensate for an increase in lethal congenital anomalies, the rise in infant deaths has primarily occurred in the post-neonatal period.

IV-2B

INFANT DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	12.5	12.3	9.2	10.3	8.5	12.8
EASTMAN	14.8	9.2	6.8	10.5	8.4	12.0
INTERLAKE	13.0	18.0	10.6	5.5	5.3	5.9
NORMAN	20.5 (1)	21.2	10.0	7.3	**	14.3
PARKLANDS	16.8	11.3	11.3	17.1	9.0	5.7
THOMPSON	(1)	19.0	**	9.3	6.6	13.0
WESTMAN	13.3	10.1	11.4	16.1	9.5	10.0
WINNIPEG	12.9	11.2	10.9	9.7	8.9	9.5
I.R. & U.T.	38.2	19.6	21.0	25.2	11.6	16.1
MANITOBA TOTAL	15.6	12.5	11.0	11.7	8.7	10.5
NON-RESIDENT	57.3	47.8	36.8	28.1	29.2	29.8
TOTAL	16.6	13.8	11.7	12.1	9.4	11.1
CANADA	15.0	10.9	10.4	9.6	9.1	8.5

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Infant death rate is defined as deaths under 1 year of age, excluding stillbirths per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-3A

NEWBORN DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>REGION</u>	<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CENTRAL		9	12	7	8	8	12
EASTMAN		8	6	5	6	7	9
INTERLAKE		7	9	6	3	-	2
NORMAN		21 (1)	5	3	2	1	3
PARKLANDS		10	3	2	7	4	2
THOMPSON		(1)	7	1	1	2	1
WESTMAN		15	14	9	13	6	13
WINNIPEG		65	57	57	45	48	49
I.R. & U.T.		11	9	10	12	6	12
MANITOBA TOTAL		146	122	100	97	82	103
NON-RESIDENT		9	16	10	8	7	7
TOTAL		155	138	110	105	89	110

SOURCE: Manitoba Vital Statistics registrations.

* Newborn deaths are defined as infant deaths from birth to less than 7 days of age.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-3B

NEWBORN DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	7.0	8.2	4.6	5.5	5.2	8.1
EASTMAN	7.9	5.0	4.2	5.2	5.9	7.7
INTERLAKE	7.6	11.6	7.9	4.2	-	**
NORMAN	14.4 (1)	11.8	7.5	**	**	7.2
PARKLANDS	13.0	4.8	**	11.9	7.2	**
THOMPSON	(1)	13.3	**	**	**	**
WESTMAN	8.7	8.3	5.4	7.7	3.6	7.7
WINNIPEG	7.3	7.0	7.1	5.5	5.9	5.7
I.R. & U.T.	9.6	7.1	8.1	9.7	4.6	8.8
MANITOBA TOTAL	8.4	7.6	6.3	6.1	5.4	6.2
NON-RESIDENT	21.5	36.4	23.0	17.3	13.6	13.0
TOTAL	8.8	8.3	6.7	6.4	5.4	6.5
CANADA	3.0	6.1	5.6	5.5	5.0	4.7

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume 1, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Newborn death rate is defined as infant deaths from birth to less than 7 days of age per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-4A

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	19	21	13	19	19	26
EASTMAN	20	14	11	17	14	12
INTERLAKE	17	19	9	10	4	5
NORMAN	30 (1)	12	6	5	4	7
PARKLANDS	18	10	11	11	6	5
THOMPSON	(1)	11	5	6	5	3
WESTMAN	34	27	23	28	13	24
WINNIPEG	157	133	126	112	101	107
I.R. & U.T.	28	18	22	29	15	23
MANITOBA TOTAL	323	265	226	237	181	212
NON-RESIDENT	19	21	22	17	18	19
TOTAL	342	286	248	254	199	231

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

(1) Norman Region includes Thompson Region up to and including 1976.

NOTE: (a) The Manitoba College of Physicians and Surgeons (MCPS) use a definition of more than 500 gm to 7 days for perinatal death. This may account for any discrepancies between the two sets of figures.

(b) An increase in lethal congenital anomalies accounts for much of the change from 1982 to 1983 (Source: MCPS 1983 Perinatal and Maternal Welfare Report).

IV-4B

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	14.7	14.3	8.5	12.9	12.3	17.4
EASTMAN	19.5	11.6	9.3	14.7	11.6	10.3
INTERLAKE	18.3	24.2	11.9	13.7	5.3	5.9
NORMAN	20.5 (1)	27.8	14.9	12.1	9.8	16.5
PARKLANDS	23.1	15.9	17.5	18.6	10.8	9.5
THOMPSON	(1)	20.8	10.1	11.0	10.8	6.5
WESTMAN	19.5	16.0	13.7	16.5	7.7	14.1
WINNIPEG	17.5	16.2	15.6	13.6	12.3	12.4
I.R. & U.T.	24.0	14.0	17.6	23.2	11.5	16.7
MANITOBA TOTAL	18.6	16.3	14.1	14.7	11.2	12.8
NON-RESIDENT	44.3	47.3	49.2	36.1	34.4	34.6
TOTAL	19.2	17.1	15.1	15.3	12.0	13.5

SOURCE: Manitoba, Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as the total of fetal deaths of 20 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.

Total births are live births plus stillbirths of 20 or more weeks gestation.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-4C

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	18	17	12	15	14	18
EASTMAN	19	12	7	14	12	12
INTERLAKE	14	19	9	8	2	5
NORMAN	30 (1)	10	5	4	2	6
PARKLANDS	15	7	9	10	6	5
THOMPSON	(1)	10	4	4	4	3
WESTMAN	25	23	22	23	12	22
WINNIPEG	122	108	108	86	81	93
I.R. & U.T.	24	18	18	26	12	21
MANITOBA TOTAL	267	224	194	190	145	185
NON-RESIDENT	18	18	19	14	16	16
TOTAL	285	242	213	204	161	201

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

(1) Norman Region includes Thompson Region up to and including 1976.

NOTE: (a) The Manitoba College of Physicians and Surgeons (MCPS) use a definition of more than 1000 gm to 7 days for perinatal death. This may account for any discrepancies between the two sets of figures.

(b) An increase in lethal congenital anomalies accounts for much of the change from 1982 to 1983 (Source: MCPS 1983 Perinatal and Maternal Welfare Report).

IV-4D

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	14.0	11.6	7.9	10.2	9.0	12.0
EASTMAN	18.5	9.9	5.9	12.1	10.0	10.3
INTERLAKE	15.1	24.2	11.9	11.0	**	5.9
NORMAN	20.5 (1)	23.3	12.4	9.7	**	14.2
PARKLANDS	19.2	11.2	14.3	17.0	10.8	9.5
THOMPSON	(1)	18.9	8.0	7.4	8.7	6.5
WESTMAN	14.3	13.6	13.1	13.6	7.1	12.9
WINNIPEG	13.6	13.2	13.4	10.5	9.9	10.8
I.R. & U.T.	20.5	14.0	14.4	20.9	9.2	15.3
MANITOBA TOTAL	15.4	13.8	12.1	11.8	9.0	11.1
NON-RESIDENT	42.0	40.8	42.5	29.9	30.5	29.1
TOTAL	16.0	14.5	12.9	12.4	9.7	11.7
CANADA	16.7	11.8	10.9	10.7	10.1	9.5

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

- * Perinatal death rate is defined as the total of fetal deaths of 28 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.
Total births are live births plus stillbirths of 28 or more weeks gestation.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-4E

STILLBIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1980-1984

<u>YEAR</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>
<u>REGION</u>					
CENTRAL	6	11	11	14	14
EASTMAN	6	11	7	3	1
INTERLAKE	3	7	4	3	4
NORMAN	3	3	3	4	3
PARKLANDS	9	4	2	3	9
THOMPSON	4	5	3	2	1
WESTMAN	14	15	7	11	15
WINNIPEG	69	67	53	58	65
I.R. & U.T.	12	17	9	11	6
MANITOBA TOTAL	126	140	99	109	118
NON-RESIDENT	12	9	11	12	11
TOTAL	138	149	110	121	129

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

NOTE: The Manitoba College of Physicians and Surgeons use a definition of more than 500 gm for stillbirth. This may account for any discrepancies between the two sets of figures.

IV-4F

STILLBIRTH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	7.8	6.2	4.0	7.5	7.2	9.5
EASTMAN	11.8	6.7	5.1	9.6	5.9	2.3
INTERLAKE	10.9	12.9	4.0	9.7	5.3	3.5
NORMAN	6.2 (1)	16.5	7.5	7.3	7.4	9.5
PARKLANDS	10.4	11.3	14.5	6.8	**	5.7
THOMPSON	(1)	7.6	8.1	9.3	6.6	**
WESTMAN	11.0	7.8	8.4	8.9	4.2	6.5
WINNIPEG	10.4	9.3	8.6	8.2	6.5	6.8
I.R. & U.T.	14.8	7.1	9.7	13.8	7.0	8.1
MANITOBA TOTAL	10.3	8.9	7.9	8.8	6.2	6.6
NON-RESIDENT	23.9	11.4	27.6	19.5	21.4	22.3
TOTAL	10.6	8.9	8.5	9.1	6.7	7.1
CANADA	10.2	7.7	7.1	7.3	7.2	6.9

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as the rate of fetal deaths of 20 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-4G

STILLBIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	9	5	5	7	6	6
EASTMAN	11	6	2	8	5	3
INTERLAKE	7	10	3	5	2	3
NORMAN	9 (1)	5	2	2	1	3
PARKLANDS	5	4	7	3	2	3
THOMPSON	(1)	3	3	3	2	2
WESTMAN	10	9	13	10	6	9
WINNIPEG	57	51	51	41	33	44
I.R. & U.T.	13	9	8	14	6	9
MANITOBA TOTAL	121	102	94	93	63	82
NON-RESIDENT	9	2	9	6	9	9
TOTAL	130	104	103	99	72	91

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 28 or more weeks gestation.

(1) Norman Region includes Thompson Region up to and including 1976.

NOTE: The Manitoba College of Physicians and Surgeons use a definition of more than 1000 gm for stillbirths. This may account for any discrepancies between the two sets of figures.

IV-4H

STILLBIRTH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	7.0	3.4	3.3	4.8	3.9	4.1
EASTMAN	10.8	5.0	**	7.0	4.2	2.6
INTERLAKE	7.6	12.9	4.0	6.9	**	3.5
NORMAN	6.2 (1)	11.8	**	**	**	**
PARKLANDS	6.5	6.5	11.3	5.1	**	5.7
THOMPSON	(1)	5.7	6.1	5.6	**	**
WESTMAN	5.8	5.4	7.8	6.0	3.6	5.3
WINNIPEG	6.4	6.3	6.4	5.0	4.1	5.2
I.R. & U.T.	11.3	7.1	6.5	11.4	4.6	6.6
MANITOBA TOTAL	7.0	6.3	5.9	5.8	3.9	5.2
NON-RESIDENT	7.5	5.7	20.7	13.0	17.5	16.8
TOTAL	7.4	6.3	6.3	6.0	4.4	5.3
CANADA	7.5	5.7	5.3	5.3	5.1	4.9

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume III, Deaths (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as rate of fetal deaths of 28 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-5A

NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	9	14	7	10	10	12
EASTMAN	9	8	5	7	9	11
INTERLAKE	8	12	6	3	1	2
NORMAN	23 (1)	6	3	2	1	4
PARKLANDS	11	5	4	9	5	3
THOMPSON	(1)	7	1	2	2	1
WESTMAN	18	15	10	18	9	14
WINNIPEG	82	67	63	53	58	56
I.R. & U.T.	15	13	12	16	10	12
MANITOBA TOTAL	175	147	111	120	105	115
NON-RESIDENT	187	165	14	8	11	11
TOTAL	187	165	125	128	116	126

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-5B

NEONATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

AND FOR CANADA 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	7.0	9.6	4.6	6.8	6.5	8.1
EASTMAN	8.9	6.7	4.2	6.1	7.5	9.4
INTERLAKE	8.7	15.5	7.9	4.2	**	**
NORMAN	15.8 (1)	14.1	7.5	**	**	**
PARKLANDS	14.2	8.1	6.4	15.4	9.0	5.7
THOMPSON	(1)	13.3	**	**	**	**
WESTMAN	10.4	8.9	6.0	10.7	5.3	8.2
WINNIPEG	9.2	8.2	7.9	6.5	7.1	6.6
I.R. & U.T.	13.0	10.2	9.7	13.0	7.7	8.8
MANITOBA TOTAL	10.2	9.1	7.0	7.5	6.6	5.1
NON-RESIDENT	28.6	41.0	32.2	17.3	21.4	20.5
TOTAL	10.6	10.0	7.7	7.8	7.1	7.4
CANADA	10.1	7.2	6.7	6.4	5.9	5.5

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Neonatal death rate is defined as rate of infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-6A

POST-NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	7	4	7	5	3	7
EASTMAN	6	3	3	5	1	3
INTERLAKE	4	2	2	1	3	3
NORMAN	7 (1)	3	1	1	1	2
PARKLANDS	2	2	3	1	-	-
THOMPSON	(1)	3	1	3	1	5
WESTMAN	5	2	9	9	7	3
WINNIPEG	23	24	24	26	14	25
I.R. & U.T.	29	12	14	15	5	10
MANITOBA TOTAL	93	55	64	66	35	58
NON-RESIDENT	12	3	2	5	4	5
TOTAL	105	63 (2)	66	71	39	63

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

(1) Norman Region includes Thompson Region up to and including 1976.

(2) Includes 5 post-neonatal deaths not categorized by region.

IV-6B
POST-NEONATAL DEATH RATES*
BY MANITOBA HEALTH & COMMUNITY SERVICES REGION
AND FOR CANADA 1974, 1979-1983

<u>REGION</u>	<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CENTRAL		5.5	2.7	4.6	3.4	2.0	4.7
EASTMAN		5.9	2.5	2.5	4.4	**	2.6
INTERLAKE		4.3	**	**	**	4.0	3.5
NORMAN			4.8 (1)	7.1	**	**	**
PARKLANDS		2.6	**	4.8	**	-	-
THOMPSON	(1)		5.7	**	5.6	**	10.9
WESTMAN		2.9	**	5.4	5.4	4.2	1.8
WINNIPEG		3.7	2.9	3.0	3.2	1.7	2.9
I.R. & U.T.		25.2	9.4	11.3	12.2	3.9	7.3
MANITOBA TOTAL			5.4	3.4	4.0	4.1	2.2
NON-RESIDENT		28.6	6.8	**	10.8	7.8	9.3
TOTAL			6.0	3.8	4.0	4.3	2.4
CANADA			4.9	3.7	3.8	3.2	3.1

SOURCE: Canada, Statistics Canada, Vital Statistics: 1974, 1979, 1980, 1981, 1982, 1983. Volume I, Births and Deaths (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Post-neonatal death rate is defined as the rate of infant deaths from 28 days to under 1 year of age per 1,000 live births.

** Not calculated due to low incidence.

(1) Norman Region includes Thompson Region up to and including 1976.

IV-7A

MATERNAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1974, 1979-1983

<u>YEAR</u>	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>REGION</u>						
CENTRAL	-	-	-	-	-	-
EASTMAN	-	-	-	-	-	-
INTERLAKE	-	-	-	-	-	-
NORMAN	- (1)	1	-	-	-	-
PARKLANDS	-	-	-	1	-	-
THOMPSON	- (1)	-	-	-	-	-
WESTMAN	-	-	1	-	-	-
WINNIPEG	-	1	-	-	1	-
I.R. & U.T.	-	-	1	-	-	-
MANITOBA TOTAL	-	2	2	-	-	-
NON-RESIDENT	-	-	-	-	-	-
TOTAL	-	2	2	-	2	-

SOURCE: Manitoba Vital Statistics registrations.

* Maternal deaths are defined as deaths due to delivery and complications of pregnancy, childbirth, and the puerperium.

(1) Norman Region includes Thompson Region up to and including 1976.

NOTE: Table IV-7B Maternal Death Rates has not been calculated due to low incidence of maternal deaths.

DEATHS UNDER ONE YEAR OF AGE

IV-8A

DEATHS UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

MORTALITY GROUP REGION	POST-NEONATAL MORTALITY					
	STILLBIRTH*	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	14	7	2	3	-	7
EASTMAN	3	6	2	1	2	3
INTERLAKE	3	2	-	-	-	3
NORMAN	4	2	1	-	1	2
PARKLANDS	3	1	1	-	1	-
THOMPSON	2	-	1	-	-	5
WESTMAN	11	10	2	1	1	3
WINNIPEG	58	32	8	9	7	25
I.R. & U.T.	11	7	5	-	-	10

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

NOTE: The Manitoba College of Physicians and Surgeons use a definition of more than 500 gm for Stillbirth and a definition of more than 500 gm to 7 days for Perinatal death. This may account for any discrepancies between their figures and these.

IV-8B

DEATHS RATES* UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

MORTALITY GROUP REGION						POST-NEONATAL MORTALITY
	STILLBIRTH*	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	9.5	4.7	**	2.0	-	4.7
EASTMAN	2.3	5.2	**	**	**	2.6
INTERLAKE	3.5	**	-	-	-	3.5
NORMAN	9.5	**	**	-	**	**
PARKLANDS	5.7	**	**	-	**	-
THOMPSON	**	**	**	-	-	10.9
WESTMAN	6.5	5.9	**	**	**	1.8
WINNIPEG	6.8	3.7	0.9	1.1	0.8	2.9
I.R. & U.T.	8.1	5.1	3.7	-	-	7.3

SOURCE: Manitoba Vital Statistics registrations.

* All death rates are defined as rates per 1,000 live births. Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

** Not calculated due to low incidence.

*** Non-residents excluded from calculation.

IV-9A

NEONATAL DEATHS(1)

BY CAUSE OF DEATH(2) AND MANITOBA HEALTH & COMMUNITY SERVICE REGION 1983

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SYMPTOMS & ILL- DEFINED	OTHER PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	2	2	3	-	-	-	4	1	12
EASTMAN	-	3	1	3	-	-	-	-	4	11
INTERLAKE	-	-	1	1	-	-	-	-	-	2
NORMAN	-	-	1	2	-	-	-	1	-	4
PARKLANDS	-	-	2	-	-	-	1	-	-	3
THOMPSON	-	-	1	-	-	-	-	-	-	1
WESTMAN	-	1	5	6	-	-	-	1	1	14
WINNIPEG	1	14	10	18	-	-	4	6	3	56
I.R. & U.T.	-	1	4	7	-	-	-	-	-	12
MANITOBA TOTAL	1	21	27	40	-	-	5	12	9	115
OTHER	1	3	3	2	-	-	-	1	1	11
TOTAL	2	24	30	42	-	-	5	13	10	126

SOURCE: Manitoba Vital Statistics registrations.

(1) Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

(2) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

IV-9B

NEONATAL DEATH RATES*

BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICE REGION 1983

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SYMPTOMS & ILL- DEFINED	PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	**	**	20.3	-	-	-	27.0	**	81.0
EASTMAN	-	25.8	**	25.8	-	-	-	-	34.3	94.4
INTERLAKE	-	-	**	**	-	-	-	-	-	**
NORMAN	-	-	**	**	-	-	-	**	-	95.5
PARKLANDS	-	-	**	-	-	-	**	-	-	57.0
THOMPSON	-	-	**	-	-	-	-	-	-	**
WESTMAN	-	**	29.5	35.4	-	-	-	**	**	82.5
WINNIPEG	**	16.4	11.7	21.1	-	-	4.7	7.0	3.5	65.6
I.R. & U.T.	-	**	29.3	51.2	-	-	-	-	-	87.8
MANITOBA TOTAL	**	12.7	16.4	24.2	-	-	3.0	7.3	5.5	69.7
OTHER	**	55.9	55.9	**	-	-	-	**	**	204.8
TOTAL	**	14.1	17.6	24.7	-	-	3.0	7.6	5.9	74.0

SOURCE: Manitoba Vital Statistics registrations.

* For this table, neonatal deaths are defined as infant deaths under 28 days of age, per 10,000 live births.
 ** Not calculated due to low incidence.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

POST-NEONATAL DEATHS*

BY CAUSE OF DEATH⁽¹⁾ AND MANITOBA HEALTH & COMMUNITY SERVICE REGION 1983

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SYMPTOMS & ILL- DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	-	-	1	-	1	2	3	7
EASTMAN	1	-	-	-	-	-	2	-	3
INTERLAKE	1	-	-	1	-	-	-	1	3
NORMAN	2	-	-	-	-	-	-	-	2
PARKLANDS	-	-	-	-	-	-	-	-	-
THOMPSON	-	1	-	1	-	-	-	3	5
WESTMAN	-	1	-	-	-	-	1	1	3
WINNIPEG	1	2	-	7	-	-	8	7	25
I.R. & U.T.	1	1	-	-	-	-	7	1	10
MANITOBA TOTAL	6	5	-	10	-	1	20	16	58
OTHER	1	-	-	2	-	-	2	-	5
TOTAL	7	5	-	12	-	1	22	16	63

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

IV-10B

POST-NEONATAL DEATH RATES*

BY CAUSE OF DEATH(1) AND MANITOBA HEALTH & COMMUNITY SERVICE REGION 1983

	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SYMPTOMS & ILL- DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	-	-	**	-	**	**	20.3	47.3
EASTMAN	**	-	-	-	-	-	**	-	25.8
INTERLAKE	**	-	-	**	-	-	-	**	35.4
NORMAN	**	-	-	-	-	-	-	-	*
PARKLANDS	-	-	-	-	-	-	-	-	-
THOMPSON	-	**	-	**	-	-	-	65.2	108.7
WESTMAN	-	**	-	-	-	-	**	**	17.7
WINNIPEG	**	**	-	8.2	-	-	9.4	8.2	29.3
I.R. & U.T.	**	**	-	-	-	-	51.2	**	73.2
MANITOBA TOTAL	3.6	3.0	-	6.1	-	**	12.1	9.7	35.2
OTHER	-	-	-	**	-	-	**	-	93.1
TOTAL	4.1	2.9	-	7.0	-	**	12.9	9.4	37.0

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 10,000 live births.

** Not calculated due to low incidence.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

V-1A

FEMALES BETWEEN 15-49 YEARS OF AGE

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979 ⁽¹⁾	1980 ⁽³⁾	1981 ⁽²⁾	1982 ⁽²⁾	1983 ⁽¹⁾
FT. GARRY	9,766	11,813	N/A	12,421	12,605	12,696
EAST & NORTH KILDONAN	15,294	17,749	N/A	18,099	18,252	18,408
OLD & WEST KILDONAN	7,994	10,082	N/A	11,011	11,245	11,381
ST. BONIFACE	12,360	12,465	N/A	11,995	11,935	11,771
ST. JAMES	20,710	22,918	N/A	22,521	22,630	22,503
EAST & WEST ST. PAUL	1,219	1,374	N/A	1,420	1,423	1,486
ST. VITAL	10,530	12,190	N/A	12,910	13,179	13,553
TRANSCONA	6,465	7,738	N/A	7,687	7,734	7,804
INNER CITY***	66,848	66,251	N/A	62,268	63,465	63,357

WINNIPEG TOTAL	151,186	162,580	N/A	160,332	162,468	162,959
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SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December 1 preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.

*** Winnipeg, Inner City, includes Charleswood and Tuxedo.

V-1B

GENERAL FERTILITY RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979 ⁽¹⁾	1980 ⁽³⁾	1981 ⁽²⁾	1982 ⁽²⁾	1983 ⁽¹⁾
FT. GARRY	57.0	51.7	N/A	49.5	51.4	51.5
EAST & NORTH KILDONAN	62.0	54.8	N/A	52.9	51.6	54.8
OLD & WEST KILDONAN	56.8	53.7	N/A	51.5	47.5	46.4
ST. BONIFACE	57.1	42.3	N/A	43.4	39.5	44.2
ST. JAMES	51.2	34.4	N/A	34.5	34.7	34.9
EAST & WEST ST. PAUL	73.8	42.9	N/A	35.9	45.0	47.8
ST. VITAL	70.4	61.4	N/A	56.2	57.2	58.1
TRANSCONA	60.3	40.8	N/A	37.3	37.2	40.5
INNER CITY***	59.0	54.2	N/A	59.1	57.5	60.4

WINNIPEG TOTAL	58.8	50.2	N/A	51.0	50.1	52.5
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SOURCE: (1) Manitoba Health Services Commission population records (June 1).
 (2) December 1 preliminary M.H.S.C. population records.
 (3) M.H.S.C. Registration file was audited and no figures were published that year.

* General fertility rate is defined as rate of live births per 1,000 females between ages 15-49.

*** Winnipeg, Inner City, includes Charleswood and Tuxedo.

V-1C

LIVE BIRTHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	403	571	610	641	606	633
FT. GARRY	557	611	631	615	648	654
EAST & NORTH KILDONAN	948	973	909	958	942	1008
OLD & WEST KILDONAN	454	541	543	567	534	528
ST. BONIFACE	706	527	483	520	472	520
ST. JAMES	1,061	788	790	777	785	785
EAST & WEST ST. PAUL	90	59	54	51	64	71
ST. VITAL	741	749	747	725	754	788
TRANSCONA	390	316	323	287	288	316
INNER CITY	3,538	3,019	2,915	3,036	3,041	3,253
WINNIPEG TOTAL	8,888	8,154	8,007 ⁽¹⁾	8,177	8,134	8,556 ⁽²⁾

SOURCE: Manitoba Vital Statistics registrations.

* Live Births are defined as infants born alive, excluding stillbirths.

(1) Includes 2 births not categorized by region of residence.

(2) See Note at bottom of page.

V-1D

TOTAL BIRTHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		575	613	645	607	635
FT. GARRY		620	635	620	648	659
EAST & NORTH KILDONAN		981	920	966	946	1,011
OLD & WEST KILDONAN		548	550	572	538	530
ST. BONIFACE		533	485	523	473	523
ST. JAMES		795	796	786	793	791
EAST & WEST ST. PAUL		59	54	51	64	71
ST. VITAL		754	750	732	759	795
TRANSCONA		318	324	287	291	322
INNER CITY		3,047	2,947	3,062	3,068	3,277
WINNIPEG TOTAL	8,980 ⁽¹⁾	8,230	8,076 ⁽²⁾	8,244	8,187	8,614 ⁽³⁾

SOURCE: Manitoba Vital Statistics registrations.

* Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

(1) Data for Winnipeg sub-regions were not available for 1974.

(2) Includes 2 births not categorized by region of residence.

(3) See Note at bottom of page.

NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba Region and the coding of separate areas within Winnipeg.

V-2A

INFANT DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CHARLESWOOD-TUXEDO	5	4	4	6	7	5
FT. GARRY	7	6	5	7	3	7
EAST & NORTH KILDONAN	8	10	4	8	8	6
OLD & WEST KILDONAN	3	4	5	4	5	4
ST. BONIFACE	9	6	6	2	5	7
ST. JAMES	16	11	9	5	7	9
EAST & WEST ST. PAUL	-	1	1	1	-	1
ST. VITAL	6	8	6	6	5	8
TRANSCONA	6	3	5	6	1	3
INNER CITY	55	38	42	34	31	31
WINNIPEG TOTAL	115	91	87	79	72	81

SOURCE: Manitoba Vital Statistics registrations.

* Infant deaths are defined as deaths under 1 year of age excluding stillbirths.

V-2B

INFANT DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CHARLESWOOD-TUXEDO	12.4	7.0	6.6	9.4	11.6	7.9
FT. GARRY	12.6	9.8	7.9	11.4	4.6	10.7
EAST & NORTH KILDONAN	8.4	10.3	4.4	8.4	8.5	6.0
OLD & WEST KILDONAN	6.6	7.4	9.2	7.1	9.4	7.6
ST. BONIFACE	12.7	11.4	12.4	**	10.6	13.5
ST. JAMES	15.1	14.0	11.4	6.4	8.9	11.5
EAST & WEST ST. PAUL	-	**	**	**	-	**
ST. VITAL	8.1	10.7	8.0	8.3	6.6	10.2
TRANSCONA	15.4	9.5	15.5	20.9	**	9.5
INNER CITY	15.5	12.6	14.4	11.2	10.2	9.5
WINNIPEG TOTAL	12.9	11.2	10.9	9.7	8.9	9.5

SOURCE: Manitoba Vital Statistics registrations.

* Infant death rate is defined as rate of deaths under 1 year of age, excluding stillbirths, per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those of Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-3A
NEWBORN DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CHARLESWOOD-TUXEDO	4	3	3	5	4	1
FT. GARRY	6	3	3	4	3	6
EAST & NORTH KILDONAN	6	6	3	6	7	5
OLD & WEST KILDONAN	2	3	3	2	3	2
ST. BONIFACE	3	3	3	-	3	5
ST. JAMES	11	6	7	4	7	6
EAST & WEST ST. PAUL	-	1	-	1	-	-
ST. VITAL	2	6	3	4	3	5
TRANSCONA	2	2	3	3	-	2
INNER CITY	29	24	29	16	18	17
WINNIPEG TOTAL	65	57	57	45	48	49

SOURCE: Manitoba Vital Statistics registrations.

* Newborn deaths are defined as infant deaths from birth to less than 7 days of age.

V-3B
NEWBORN DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	<u>1974</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
CHARLESWOOD-TUXEDO	9.9	5.3	4.9	7.8	6.6	**
FT. GARRY	10.8	4.9	4.8	6.5	4.6	9.2
EAST & NORTH KILDONAN	6.3	6.2	3.3	6.3	7.4	5.0
OLD & WEST KILDONAN	4.4	5.5	5.5	**	5.6	**
ST. BONIFACE	4.2	5.7	6.2	-	6.4	9.6
ST. JAMES	10.4	7.6	8.9	5.1	8.9	7.6
EAST & WEST ST. PAUL	-	**	-	**	-	-
ST. VITAL	2.7	8.0	4.0	5.5	4.0	6.3
TRANSCONA	5.1	**	9.3	10.5	-	**
INNER CITY	8.2	7.9	9.9	5.3	5.9	5.2
WINNIPEG TOTAL	7.3	7.0	7.1	5.5	5.9	5.7

SOURCE: Manitoba Vital Statistics registrations.

* Newborn death rate is defined as the rate of infant deaths from birth to less than 7 days of age per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those of Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4A

PERINATAL DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		7	6	9	5	3
FT. GARRY		12	7	9	3	11
EAST & NORTH KILDONAN		14	14	14	11	8
OLD & WEST KILDONAN		10	10	7	7	4
ST. BONIFACE		9	5	3	4	8
ST. JAMES		13	13	13	15	12
EAST & WEST ST. PAUL		1	-	1	-	-
ST. VITAL		11	6	11	8	12
TRANSCONA		4	4	3	3	8
INNER CITY		52	61	42	45	41
WINNIPEG TOTAL	157	133	126	112	101	107

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

(1) Data for Winnipeg sub-regions were not available for 1974.

V-4B

PERINATAL DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		12.2	9.8	14.0	8.2	4.7
FT. GARRY		19.4	11.0	14.5	4.6	16.7
EAST & NORTH KILDONAN		14.3	15.2	14.5	11.6	7.9
OLD & WEST KILDONAN		18.2	18.2	12.2	13.0	7.5
ST. BONIFACE		16.9	10.3	5.7	8.5	15.3
ST. JAMES		16.4	16.3	16.5	18.9	15.2
EAST & WEST ST. PAUL		**	-	-	-	-
ST. VITAL		14.6	8.0	15.0	10.5	15.1
TRANSCONA		12.6	12.3	10.5	10.3	24.8
INNER CITY		17.1	20.7	13.7	14.7	12.5
WINNIPEG TOTAL	17.5	16.2	15.6	13.6	12.3	12.4

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

** Not calculated due to low incidence.

(1) Data for Winnipeg sub-regions were not available for 1974.

NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate city areas within Winnipeg.

V-4C

PERINATAL DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		5	5	5	4	2
FT. GARRY		11	7	7	3	10
EAST & NORTH KILDONAN		10	9	12	10	8
OLD & WEST KILDONAN		5	7	4	6	3
ST. BONIFACE		7	5	3	3	7
ST. JAMES		10	13	8	11	11
EAST & WEST ST. PAUL		1	-	1	-	-
ST. VITAL		9	6	8	7	9
TRANSCONA		4	4	3	3	7
INNER CITY		46	52	35	34	36
WINNIPEG TOTAL	122	108	108	86	81	93

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

(1) Data for Winnipeg sub-regions were not available for 1974.

V-4D

PERINATAL DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		8.7	8.2	7.8	6.6	**
FT. GARRY		17.8	11.0	11.3	4.6	15.2
EAST & NORTH KILDONAN		10.2	9.8	12.4	10.6	7.9
OLD & WEST KILDONAN		9.2	12.7	7.0	11.2	5.7
ST. BONIFACE		13.2	10.3	5.7	6.3	13.4
ST. JAMES		12.6	16.3	10.2	13.9	13.9
EAST & WEST ST. PAUL		**	-	**	-	-
ST. VITAL		12.0	8.0	11.0	9.2	11.4
TRANSCONA		12.6	12.3	10.5	10.3	21.8
INNER CITY		15.1	17.6	11.5	11.1	11.0
WINNIPEG TOTAL	13.6	13.2	13.4	10.5	9.9	10.0

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as fetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 28 or more weeks gestation.

** Not calculated due to low incidence.

(1) Data for Winnipeg sub-regions were not available for 1974.

NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4E

STILLBIRTHS*

WINNIPEG REGION 1979-1983

WINNIPEG REGION	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	4	3	4	1	2
FT. GARRY	9	4	5	-	5
EAST & NORTH KILDONAN	8	11	8	4	3
OLD & WEST KILDONAN	7	7	5	4	2
ST. BONIFACE	6	2	3	1	3
ST. JAMES	7	6	9	8	6
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	5	3	7	5	7
TRANSCONA	2	1	-	3	6
INNER CITY	28	32	26	27	24
WINNIPEG TOTAL	76	69	67	53	58

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

V-4F

STILLBIRTH RATES*

WINNIPEG REGION 1979-1983

WINNIPEG REGION	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	7.0	4.9	6.2	**	**
FT. GARRY	14.7	6.3	8.1	-	7.6
EAST & NORTH KILDONAN	8.2	12.1	8.4	4.2	3.0
OLD & WEST KILDONAN	12.9	12.9	8.8	7.5	**
ST. BONIFACE	11.4	**	5.8	**	5.8
ST. JAMES	8.9	7.6	11.6	10.2	7.6
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	6.7	4.0	9.7	6.6	8.9
TRANSCONA	**	**	**	10.4	19.0
INNER CITY	9.3	11.0	8.6	8.9	7.4
WINNIPEG TOTAL	9.3	8.6	8.2	6.5	6.8

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as fetal deaths of 20 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-4G

STILLBIRTHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		2	2	-	-	1
FT. GARRY		8	4	3	-	4
EAST & NORTH KILDONAN		4	6	6	3	3
OLD & WEST KILDONAN		2	4	2	3	1
ST. BONIFACE		4	2	3	-	2
ST. JAMES		4	6	4	4	5
EAST & WEST ST. PAUL		-	-	-	-	-
ST. VITAL		3	3	4	4	4
TRANSCONA		2	1	-	3	5
INNER CITY		22	23	19	16	19
WINNIPEG TOTAL	57	51	51	41	33	44

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirths are defined as fetal deaths of 28 or more weeks gestation.

(1) Data for Winnipeg sub-divisions were not available for 1974.

V-4H

STILLBIRTH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974 ⁽¹⁾	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO		**	**	-	-	**
FT. GARRY		13.1	6.3	4.9	-	6.1
EAST & NORTH KILDONAN		4.1	6.6	6.3	3.2	3.0
OLD & WEST KILDONAN		**	7.4	**	5.6	**
ST. BONIFACE		7.6	**	5.8	-	**
ST. JAMES		5.1	7.6	5.1	5.1	6.4
EAST & WEST ST. PAUL		-	-	-	-	-
ST. VITAL		4.0	4.0	5.5	5.3	5.1
TRANSCONA		**	**	-	10.4	15.8
INNER CITY		7.3	7.9	6.3	5.3	5.8
WINNIPEG TOTAL	7.5	6.3	6.4	5.0	4.1	5.1

SOURCE: Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as fetal deaths of 28 or more weeks gestation per 1,000 live births.

** Not calculated due to low incidence.

(1) Data for Winnipeg sub-divisions were not available for 1974.

NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-5A

NEONATAL DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	4	3	3	5	5	5
FT. GARRY	7	3	4	4	3	6
EAST & NORTH KILDONAN	6	7	4	7	7	5
OLD & WEST KILDONAN	3	4	3	4	4	2
ST. BONIFACE	4	4	3	-	4	6
ST. JAMES	13	6	7	4	7	6
EAST & WEST ST. PAUL	-	1	-	1	-	-
ST. VITAL	4	6	4	4	4	5
TRANSCONA	4	2	4	4	-	2
INNER CITY	37	31	31	20	24	22
WINNIPEG TOTAL	82	67	63	53	58	56

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

V-5B

NEONATAL DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	9.9	5.3	4.9	7.8	8.3	**
FT. GARRY	12.6	4.9	6.3	6.5	4.6	9.2
EAST & NORTH KILDONAN	6.3	7.2	4.4	7.3	7.4	5.0
OLD & WEST KILDONAN	6.6	7.4	5.5	7.1	7.5	**
ST. BONIFACE	5.7	7.6	6.2	-	8.5	11.5
ST. JAMES	12.3	7.6	8.9	5.1	8.9	7.6
EAST & WEST ST. PAUL	-	**	-	**	-	-
ST. VITAL	5.4	8.0	5.4	5.5	5.3	6.3
TRANSCONA	10.3	**	12.4	13.9	-	**
INNER CITY	10.2	10.3	10.6	6.6	7.9	6.8
WINNIPEG TOTAL	9.2	8.2	7.9	6.5	7.1	6.5

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal death rate is defined as infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V-6A

POST-NEONATAL DEATHS*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	1	1	1	1	2	3
FT. GARRY	-	3	1	3	-	1
EAST & NORTH KILDONAN	2	3	-	1	1	1
OLD & WEST KILDONAN	-	-	2	-	1	2
ST. BONIFACE	5	2	3	2	1	1
ST. JAMES	3	5	2	1	-	3
EAST & WEST ST. PAUL	-	-	1	-	-	1
ST. VITAL	2	2	2	2	1	3
TRANSCONA	2	1	1	2	1	1
INNER CITY	18	7	11	14	7	9
WINNIPEG TOTAL	33	24	24	26	14	25

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

V-6B

POST-NEONATAL DEATH RATES*

WINNIPEG REGION 1974, 1979-1983

WINNIPEG REGION	1974	1979	1980	1981	1982	1983
CHARLESWOOD-TUXEDO	**	**	**	**	**	4.7
FT. GARRY	-	4.9	**	4.9	-	**
EAST & NORTH KILDONAN	**	3.1	-	**	**	**
OLD & WEST KILDONAN	-	-	**	-	**	**
ST. BONIFACE	7.1	**	6.2	**	**	**
ST. JAMES	2.8	6.3	**	**	-	3.8
EAST & WEST ST. PAUL	-	-	**	-	-	**
ST. VITAL	**	**	**	**	**	3.8
TRANSCONA	**	**	**	**	**	**
INNER CITY	4.8	2.3	3.8	4.6	2.3	2.8
WINNIPEG TOTAL	3.7	2.9	3.0	3.2	1.7	2.9

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 1,000 live births.

** Not calculated due to low incidence.

NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

POST-NEONATAL DEATHS* BY CAUSE (1)
AND WINNIPEG AREA 1983

	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO- INTESTINAL	SYMPTOMS & ILL- DEFINED	OTHER CAUSES	TOTAL
CHARLESWOOD- TUXEDO	-	-	1	-	-	1	1	3
FT. GARRY	-	-	-	-	-	-	1	1
EAST & NORTH KILDONAN	-	-	1	-	-	-	-	1
OLD & WEST KILDONAN	-	-	-	-	-	-	2	2
ST. BONIFACE	-	-	-	-	-	1	-	1
ST. JAMES	-	1	1	-	-	-	1	3
EAST & WEST ST. PAUL	-	-	1	-	-	-	-	1
ST. VITAL	-	-	-	-	-	3	-	3
TRANSCONA	-	-	1	-	-	-	-	1
INNER CITY	1	1	2	-	-	3	2	9
TOTAL	1	2	7	-	-	8	7	25

SOURCE: Manitoba Vital Statistics registrations.

* Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

(1) Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

V-8A

DEATHS UNDER 1 YEAR OF AGE BY WINNIPEG AREA AND BY

SELECTED AGES 1983

	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 MONTHS TO LESS THAN 6 MONTHS	6 MONTHS TO LESS THAN 12 MONTHS
CHARLESWOOD- TUXEDO	1	-	-	1	-	1	1	1
FT. GARRY	4	-	2	-	-	-	-	1
EAST & NORTH KILDONAN	4	-	1	-	-	-	1	-
OLD & WEST KILDONAN	1	1	-	-	-	-	1	1
ST. BONIFACE	5	-	-	-	1	-	1	-
ST. JAMES	5	1	-	-	-	2	1	-
EAST & WEST ST. PAUL	-	-	-	-	-	-	-	-
ST. VITAL	3	1	1	-	-	1	1	1
TRANSCORHA	-	1	1	-	-	1	1	-
INNER CITY	9	4	4	4	1	2	3	4
TOTAL	32	8	9	5	2	7	10	8

SOURCE: Manitoba Vital Statistics registrations.

DEATH RATES* UNDER 1 YEAR OF AGE BY WINNIPEG AREA AND BY

SELECTED AGES 1983

	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 MONTHS TO LESS THAN 6 MONTHS	6 MONTHS TO LESS THAN 12 MONTHS
CHARLESWOOD- TUXEDO	**	-	-	**	-	**	**	**
FT. GARRY	6.1	-	**	-	-	-	-	**
EAST & NORTH KILDONÁN	4.0	-	**	-	-	-	**	-
OLD & WEST KILDONAN	**	**	-	-	-	-	**	**
ST. BONIFACE	9.6	-	-	-	**	-	**	-
ST. JAMES	6.4	**	-	-	-	**	**	-
EAST & WEST ST. PAUL	-	-	-	-	-	-	-	-
ST. VITAL	3.8	**	**	-	-	**	**	**
TRANSCONA	-	**	**	-	-	**	**	-
INNER CITY	2.8	1.2	1.2	1.2	**	**	0.9	1.2

WINNIPEG

TOTAL	3.7	0.9	1.1	0.6	**	0.8	1.2	0.9
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SOURCE: Manitoba Vital Statistics registrations.

* All rates are defined as rate per 1,000 live births.

** Not calculated due to low incidence.

VI-1

SELECTED VITAL STATISTICS RATES(1) BY MANITOBA HEALTH & COMMUNITY SERVICES REGION

OF RESIDENCE 1983

VITAL STATISTICS	POPULATION	LIVE BIRTH RATE (2)	STILLBIRTH		FIRST DAY DEATH RATE	NEWBORN DEATH RATE	PERINATAL		POST- NEONATAL DEATH RATE	INFANT DEATH RATE
			DEATH RATE (3)	DEATH RATE (4)			DEATH RATE (4)	DEATH RATE		
CENTRAL	89,409	16.6	9.5	17.4	4.7	8.1	17.4	8.1	4.7	12.8
EASTMAN	69,665	16.7	2.3	10.3	5.2	7.7	10.3	9.4	2.6	12.0
INTERLAKE	61,462	13.8	3.5	5.9	**	**	5.9	**	3.5	5.9
NORMAN	21,543	19.4	9.5	16.5	**	7.2	16.5	9.5	**	14.3
PARKLANDS	45,001	11.7	5.7	9.5	**	**	9.5	5.7	-	5.7
THOMPSON	20,615	22.3	**	6.5	**	**	6.5	**	10.9	13.0
WESTMAN	118,105	14.4	6.5	14.1	5.9	7.7	14.1	8.2	1.8	10.0
WINNIPEG	603,536	14.1	6.8	12.4	3.7	5.7	12.4	6.6	2.9	9.5
I.R. & U.T.	58,953	23.2	8.1	16.7	5.1	8.8	16.7	8.8	7.3	16.1
MANITOBA TOTAL	1,088,289	15.2	6.6	12.8	4.1	6.2	12.8	7.0	3.5	10.5

SOURCE: Manitoba Health Services Commission population records.
Manitoba Vital Statistics registrations.

(1)

Unless otherwise indicated rates are per 1,000 live births.

(2) Live birth rate is defined as the rate of live births per 1,000 population.

(3) Stillbirths are defined as fetal deaths of 20 or more weeks gestation.

(4) Perinatal death rate is defined as fetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births.

** Not calculated due to low incidence.

VI-2A

SELECTED VITAL STATISTICS* BY INFANT WEIGHT AT BIRTH 1983

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATE	NEWBORN DEATH RATE	PERINATAL DEATH RATE
WT. GRAMS								
1500 or less	47	42	89	141	188	333.3	297.9	473.4
1500 - 2000	11	6	17	167	178	65.9	35.9	95.5
2000 - 2500	6	8	14	510	516	11.8	15.7	27.1
2500 - 3000	16	12	28	2,188	2,204	7.3	5.5	12.7
3000 - 3500	12	7	18	5,895	5,907	2.0	1.2	3.2
3500+	5	8	13	7,583	7,588	0.7	1.1	1.7
TOTAL	109 (1)	103 (2)	212 (3)	16,499 (4)	16,608 (5)	6.6	6.3	12.8

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents. See glossary for definitions. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.

- (1) 21 Missing observations.
- (2) 6 Missing observations.
- (3) 27 Missing observations.
- (4) 11 Missing observations.
- (5) 32 Missing observations.

SELECTED VITAL STATISTICS* BY PARITY 1984

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATE	NEWBORN DEATH RATE	PERINATAL DEATH RATE
PARITY								
1	51	28	79	6,731	6,782	7.6	4.2	11.6
2	32	23	55	5,375	5,377	6.0	4.3	10.2
3	15	13	28	2,588	2,603	5.8	5.0	10.8
4	10	3	13	995	1,005	10.0	3.0	12.9
5	2	4	6	344	346	**	11.6	17.3
6	6	-	6	153	159	39.2	-	37.7
7	1	1	2	68	69	**	**	**
8+	1	2	3	119	120	**	**	25.0
TOTAL	118	74	192	16,373 (1)	16,491	7.2	4.5	11.6

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. See glossary for definitions. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.
The counts and rates presented here differ from those in part IV as these are presented by characteristics of mothers and not infants.

** Not calculated due to low incidence.

(1) 39 Missing observations. Also, some mothers experienced multiple births with more than 1 newborn death.

VI-2C

SELECTED VITAL STATISTICS* BY MOTHER'S AGE 1983

VITAL STATISTICS	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATE	NEWBORN DEATH RATE	PERINATAL DEATH RATE
AGE								
15 or less	-	-	-	19	19	-	-	-
15 - 16	5	2	7	294	299	17.0	**	23.4
17	1	1	2	292	293	**	**	**
18 - 19	6	8	14	1,117	1,123	5.4	7.2	12.5
20 - 24	34	24	58	5,006	5,040	6.8	4.8	11.5
25 - 29	36	35	71	5,755	5,791	6.3	6.1	12.3
30 - 34	17	18	35	2,997	3,014	5.7	6.0	11.6
35 - 39	6	2	8	762	768	7.8	**	10.4
40 - 44	4	2	6	112	116	35.7	**	51.7
45 - 49	-	-	-	3	3	-	-	-
TOTAL	109	92 (1)	202 (1)	16,357 (2)	16,466 (2)	6.7	5.7	12.3

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. See glossary for definitions. For stillbirths and perinatal deaths, fetal deaths of 20 or more weeks gestation are used.

The counts and rates presented here differ from those in Part IV as these are presented by characteristics of mothers and not infants.

** Not calculated due to low incidence.

(1) Some mothers had multiple births with more than 1 newborn death.

(2) Some mothers had multiple births.

VI-3A

PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY BIRTH WEIGHT(1) AND
MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

	WEIGHT (GMS.)	LESS THAN 1500	1500 TO LESS THAN 2000	2000 TO LESS THAN 2500	2500 TO LESS THAN 3000	3000 TO LESS THAN 3500	3500+	TOTAL LIVE BIRTHS	MEAN WEIGHT (GMS.)
CENTRAL		1.1	0.7	2.8	12.0	34.1	49.3	1,481	3460.4
EASTMAN		0.9	1.1	2.1	11.3	35.6	49.1	1,165	3462.9
INTERLAKE		0.5	0.4	2.7	11.0	34.9	50.6	848	3511.7
NORMAN		1.4	1.4	3.1	14.1	30.3	49.6	419	3422.9
PARKLANDS		0.4	0.8	1.9	11.8	35.2	50.0	526	3480.1
THOMPSON		0.9	2.2	2.4	13.7	33.3	47.6	460	3418.8
WESTMAN		0.8	1.0	2.8	11.9	35.7	47.8	1,695	3445.6
WINNIPEG		0.9	1.1	3.4	14.6	37.1	42.9	8,532	3389.3
I.R. & U.T.		0.7	1.0	4.0	11.3	32.2	51.0	1,362	3483.8
MANITOBA TOTAL		0.8	1.0	3.1	13.3	35.8	46.0	16,484 (2)	3422.1

SOURCE: Manitoba Vital Statistics registrations.

(1) Data are for Manitoba residents only.

(2) Excludes 15 not categorized by weight.

PERCENTAGE DISTRIBUTION OF MOTHERS BY PARITY(1) AND MANITOBA HEALTH & COMMUNITY SERVICES

REGION 1983

PARITY	1	2	3	4	5	6	7	8+	TOTAL NO. MOTHERS
CENTRAL	36.7	32.0	17.2	7.2	3.9	1.4	0.7	1.0	1,454
EASTMAN	36.3	32.4	18.9	6.9	3.0	1.6	0.4	0.6	1,150
INTERLAKE	38.1	35.1	15.8	6.3	2.5	1.2	0.6	0.4	837
NORMAN	42.6	30.9	18.2	5.6	1.2	1.0	0.5	-	411
PARKLANDS	33.5	36.5	18.7	7.3	2.1	1.2	0.2	0.6	520
THOMPSON	40.2	33.1	15.7	7.1	2.0	0.9	0.7	0.4	453
WESTMAN	39.9	34.6	16.5	5.6	1.8	0.9	0.4	0.4	1,673
WINNIPEG	45.3	34.1	14.3	4.0	1.4	0.6	0.2	0.2	8,428
I.R. & U.T.	37.0	22.4	16.9	8.5	6.9	4.0	1.8	2.4	1,357
MANITOBA TOTAL	41.7	32.9	15.7	5.4	2.3	1.1	0.5	0.5	16,283

SOURCE: Manitoba Vital Statistics registrations.

(1) Data are for Manitoba residents only.

VI-3C

PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY MOTHER'S AGE(1) AND
MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

AGE	15 or less	15-16	17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL NO. MOTHERS
CENTRAL	0.1	1.0	0.9	5.2	32.3	39.3	16.6	4.2	0.5	-	1,466
EASTMAN	0.2	0.5	0.8	5.3	30.7	37.5	19.2	4.3	1.5	-	1,153
INTERLAKE	0.1	1.8	1.9	6.7	30.7	35.2	17.6	5.4	0.6	-	840
NORMAN	0.2	1.7	1.9	10.6	37.8	33.8	11.3	2.2	0.5	-	415
PARKLANDS	0.4	1.3	1.3	6.9	35.0	36.7	13.0	4.8	0.6	-	523
THOMPSON	0.2	2.9	1.8	7.9	35.6	30.1	17.4	3.7	0.4	-	455
WESTMAN	-	0.8	1.4	8.1	33.9	35.5	16.4	3.4	0.4	0.1	1,685
WINNIPEG	0.0	1.3	1.4	5.4	27.6	36.9	21.3	5.4	0.7	0.0	8,463
I.R. & U.T.	0.7	8.3	6.6	15.8	37.5	19.1	8.3	2.9.	0.8	-	1,357
MANITOBA TOTAL	0.1	1.8	1.8	6.8	30.6	35.2	18.3	4.7	0.7	0.0	16,357

SOURCE: Manitoba Vital Statistics registrations.

(1) Data are for Manitoba residents only.

NOTE: The number of "teenage" mothers in I.R. and U.T. is markedly higher than any other region.

VI-4
NUMBER OF LIVE BIRTHS AND PERCENTAGE DISTRIBUTION 1983

A. BIRTH WEIGHT BY REGION

WT (GMS)	less than 2000		2000 - 3499		3500+		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	167	2.0	4,708	55.2	3,657	42.9	8,532
OTHER REGIONS	119	1.8	3,241	49.2	3,230	49.0	6,590
I.R. & U.T.	22	1.6	644	47.3	696	51.1	1,362
MANITOBA	308	1.9	8,593	52.1	7,583	46.0	16,484 ⁽¹⁾

(1) 15 missing - not categorized by weight.

B. PARITY* BY REGION

PARITY	1		2 - 4		5+		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	3,821	45.3	4,411	52.3	196	2.4	8,428
OTHER REGIONS	2,468	38.0	3,720	57.2	310	4.8	6,498
I.R. & U.T.	501	36.9	650	47.9	206	15.2	1,357
MANITOBA	6,790	41.7	8,781	53.9	712	4.4	16,283

* Parity is defined as the total number of births, current and previous, and live and still, by an individual mother. 39 Missing observations.

C. MOTHER'S AGE BY REGION

AGE	less than 20 Yrs.		20 - 34 Yrs.		35+ Yrs.		TOTAL
REGION	#	%	#	%	#	%	#
WINNIPEG	684	8.1	7,262	85.8	517	6.1	8,463
OTHER REGIONS	613	9.4	5,615	85.9	309	4.7	6,537
I.R. & U.T.	425	31.3	881	64.9	51	3.8	1,357
MANITOBA	1,722	10.5	13,758	84.1	877	5.4	16,357

SOURCE: Manitoba Vital Statistics registrations.

NOTE: Totals do not agree between parts B and C because of missing data.

VI-5A

DEATHS(1) UNDER ONE YEAR OF AGE BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

AGE	LESS THAN 1 DAY	LESS THAN 3 DAYS	LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	7	2	3	-	-	3	3	1
EASTMAN	6	2	1	2	-	2	-	1
INTERLAKE	2	-	-	-	-	1	1	1
NORMAN	2	1	-	1	-	1	1	-
PARKLANDS	1	1	-	1	-	-	-	-
THOMPSON	-	1	-	-	-	-	1	4
WESTMAN	10	2	1	-	1	2	1	-
WINNIPEG	32	8	9	5	2	7	10	8
I.R. & U.T.	7	5	-	-	-	5	4	1
MANITOBA TOTAL	67	22	14	9	3	21	21	16

SOURCE: Manitoba Vital Statistics registrations.

(1) Manitoba residents only.

VI-5B

DEATH RATES* UNDER ONE YEAR OF AGE BY MANITOBA HEALTH & COMMUNITY SERVICES REGION 1983

AGE	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	4.7	**	2.0	-	-	2.0	2.0	**
EASTMAN	5.2	**	**	**	-	**	-	**
INTERLAKE	**	-	-	-	-	**	**	**
NORMAN	**	**	-	**	-	**	**	-
PARKLANDS	**	**	-	**	-	-	-	-
THOMPSON	-	**	-	-	-	-	**	8.7
WESTMAN	5.9	**	**	-	**	**	**	-
WINNIPEG	3.7	0.9	1.1	0.6	**	0.8	1.2	0.9
I.R. & U.T.	5.1	3.7	-	-	-	3.7	2.9	**
MANITOBA TOTAL	4.1	1.3	0.8	0.5	0.2	1.3	1.3	1.0

SOURCE: Manitoba Vital Statistics registrations.

* All rates are defined as rate per 1,000 live births.

** Not calculated due to low incidence.